Arsenii Ashukha
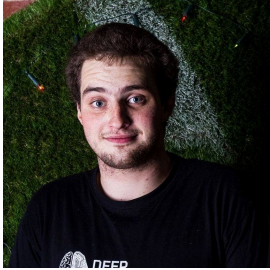
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Summary

I am a second year Master Student at MIPT, I do research at Bayes Group under supervision of prof. Dmitry Vetrov. My research is focused on Bayesian regularization of deep neural nets. At MIPT/MSU/HSE I work as a teacher assistant for some Machine Learning courses.

Skills: Machine Learning, Deep Learning, Bayesian ML, Python, Hadoop, Hive, Linux, English (B2)

Education

2015 - 2017 — Master, *Machine Learning*, Moscow Institute of Physics and Technology, GPA: ?/5.0
Thesis — *Regularization of Deep Neural Nets*, Supervisor: Prof. D. Vetrov (HSE), A. Dral (MIPT)

2015 - 2016 — Irregular Student, *Machine Learning*, Yandex School of Data Analysis, GPA: 4.8/5.0
Result — *Six courses were passed and the favorites are Bayesian ML, Deep Learning, Machine Learning*

2011 - 2015 — Bachelor, *Computer Science*, Bauman Moscow State Technical University, GPA: 3.7/5.0
Thesis — *Identification of unique kernels in topic models*, Supervisor: N. Loukachevitch (MSU)

Teaching

- **2016 - Now:** Practical Lecture, University Course at MIPT, Machine Learning (parts 1,2), course page (RU)
- **2016 - Now:** Lecture / Practical Lecture, Additional Course at MIPT, Machine Learning in Action, course page (RU)
- **2016 - Now:** Practical Lecture, University Course at MSU/HSE, Deep Learning, course pages: MSU (RU), HSE (RU)

Experience

Jun 2016 - Aug 2016
3 month

Yandex, Moscow — Intern at Music Deep Learning Group (E. Krofto)
- Searching similar tracks and building recommendation features using DNN

Dec 2013 - Feb 2016
2 year 1 month p/t

Rambler, Moscow — R&D Engineer at ML Group (A. Gorokhov, P. Klemenkov)
- Improving the quality of classification users using browser history
- Recommendations system for the news posts on rambler.ru
- Optimization performance of users classification
- Application of topic models to building users features

Jun 2013 - Aug 2013
3 month

Rambler, Moscow — Intern at Search Group (M. Karpenko)
- Users query classification to show a mixing in search results

Publications

Dmitry Molchanov, Arseniy Ashuha and Dmitry Vetrov
1. Dropout-based Automatic Relevance Determination
Bayesian Deep Learning Workshop, Neural Information Processing Systems 2016

Arseniy Ashuha and Natalia Loukachevitch
2. Bigram Anchor Words Topic Model
International Conference on Image Analysis, Social Networks and Texts 2016